

The schematic diagram illustrates a microfluidic system for cell culture. It includes a syringe (1) connected to a network of tubes (8, 9, 10, 11, 12) and valves (8a, 8b, 9a, 9b). The system features a mixing chamber (3) with ports labeled a, b, c, d, e, and f, which is connected to a coiled tube (2). The fluid then passes through a rectangular chamber (6) containing a central circular region (9a). The final output is directed to a collection reservoir (4). A large cylindrical component (13) is also shown, which may represent a culture vessel or a larger mixing chamber, with an internal structure (12) and a central tube (11) leading to a smaller chamber (10).

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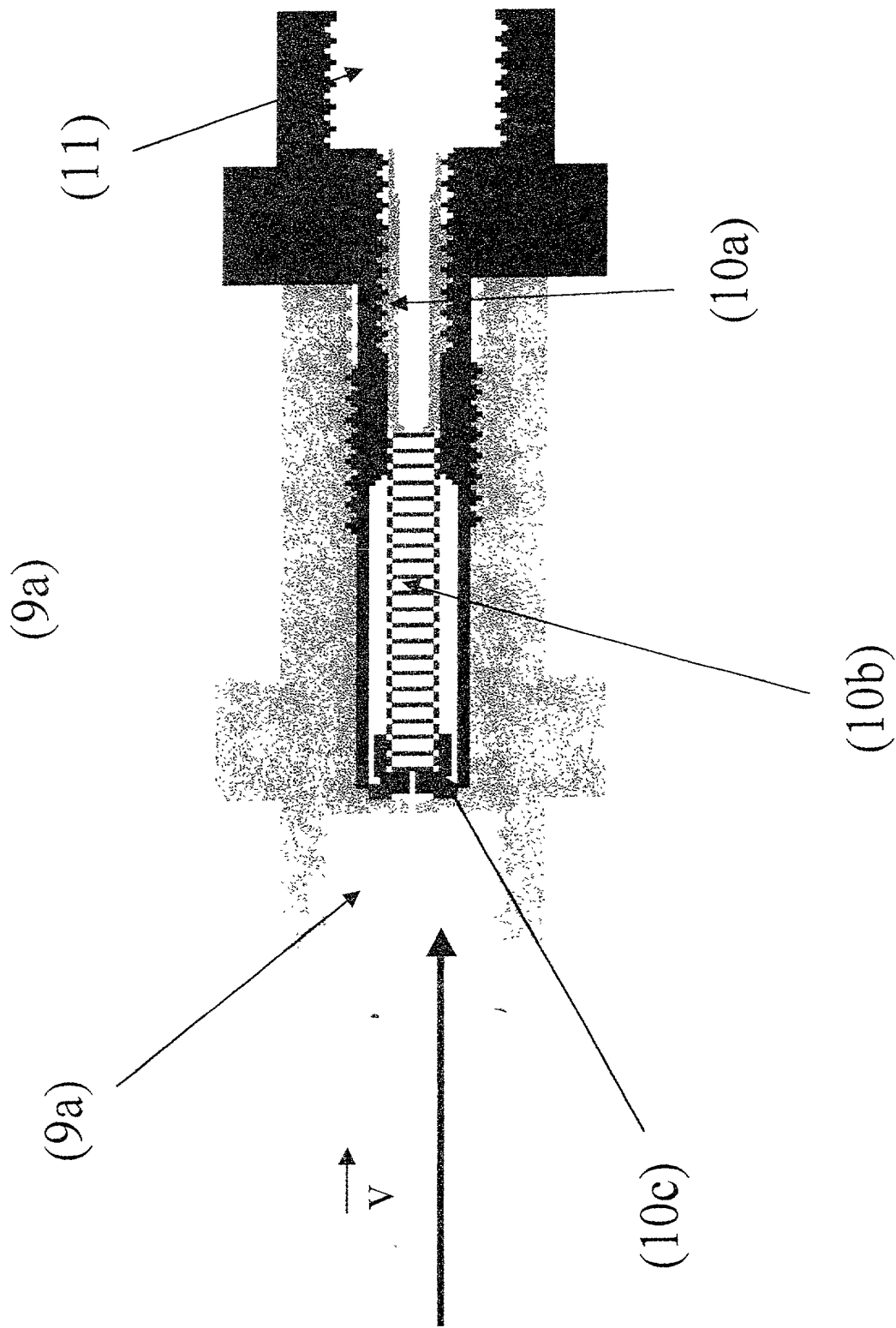


Fig 2